

Comparison of Bed Standards

Federal Standards

New York State Standards

Durable Bed Solutions Standards

Potential Hazards of Beds

Hazards That Exist in Both Hospital
Beds and Twin Beds with or without
Bed Rails

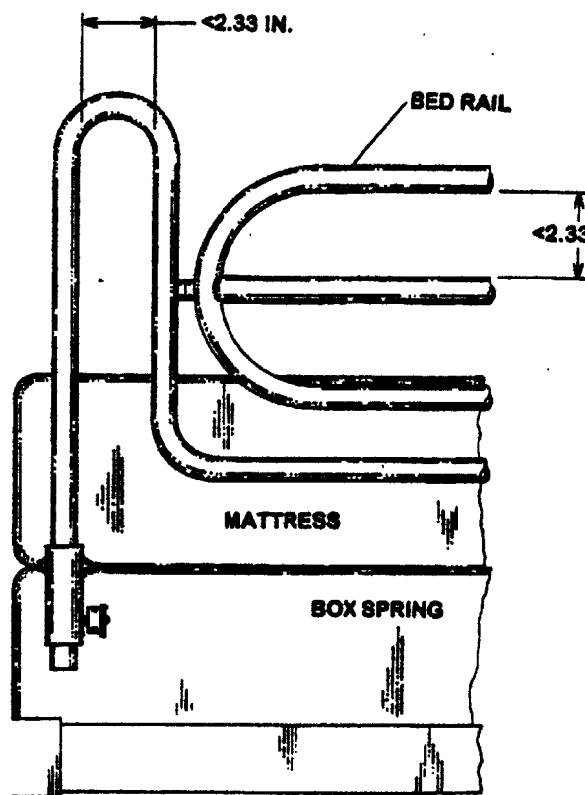
Who Are Those at Risk ?

- Type of Patients at risk of injury or death in Hospital and Twin Beds
 - Frail
 - Elderly
 - Confused
 - Uncontrolled body movement

Seven Potential Entrapment Areas

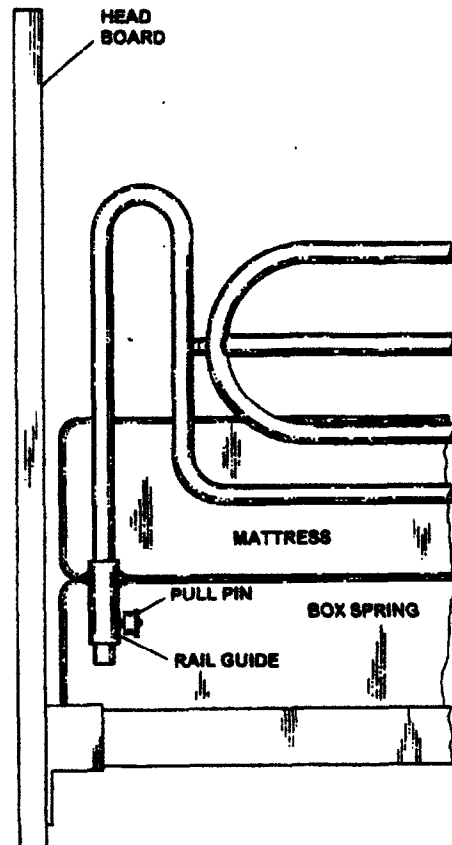
1. Entrapment between bars of bed rails
2. Entrapment between bottom bar of rail and top of mattress
3. Entrapment horizontally between bed rail and mattress
4. Entrapment under end of bed rail
5. Entrapment between split rails
6. Entrapment between end of rail and head or foot board
7. Entrapment between end of mattress and head or foot board

Entrapment Between Bars of Bed Rails



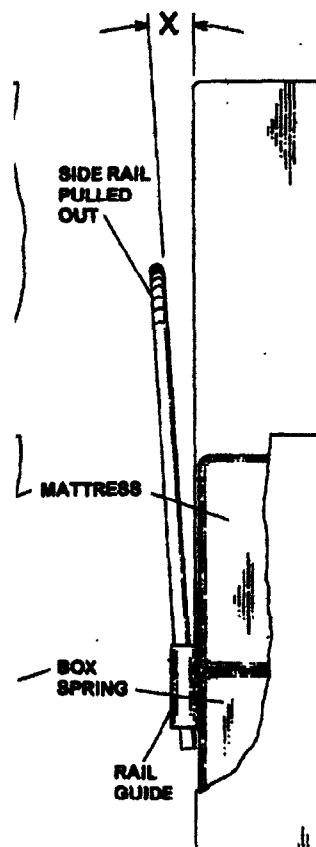
- Maximum Opening
- Federal Standards is $4 \frac{3}{4}$ "
- NYS Standards is $2 \frac{1}{3}$ "
- Durable Bed Solutions Standards $2 \frac{1}{4}$ " or less

Entrapment Between Bottom Bar of Rail and Top of Mattress



- Maximum Opening
- Federal Standards 4 $\frac{3}{4}$ "
- NYS Standards is bottom bar overlaps mattress
- Durable Bed Solutions Standards is bottom bar overlaps mattress (Recommend the use of see thru shields for total mattress coverage)

Entrapment Horizontally Between Bed Rail and Mattress



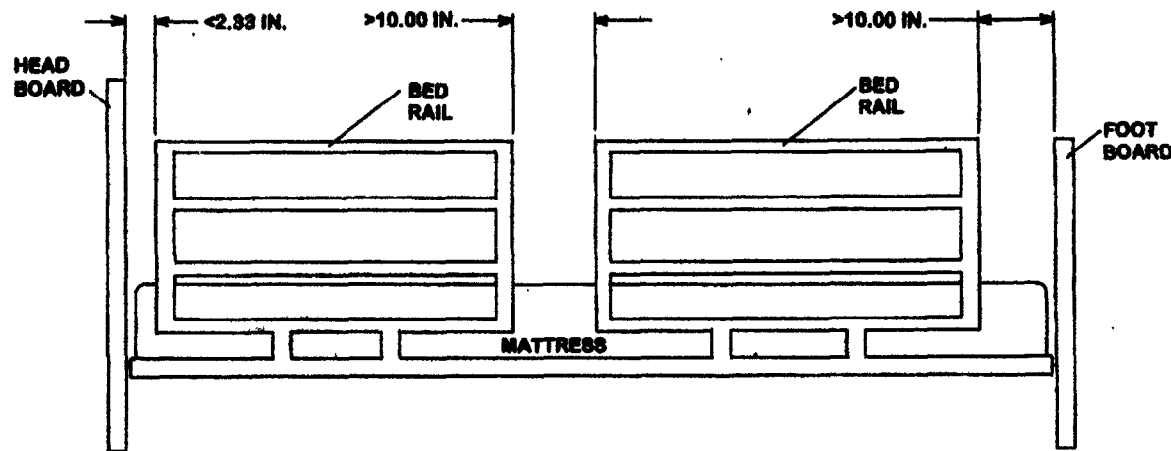
- Maximum Opening
- Federal Standards $4 \frac{3}{4}$ "
- NYS Standards is $\frac{3}{4}$ "
- Durable Bed Solutions Standards is $\frac{1}{4}$ "

Entrapment Under End of Bed Rail



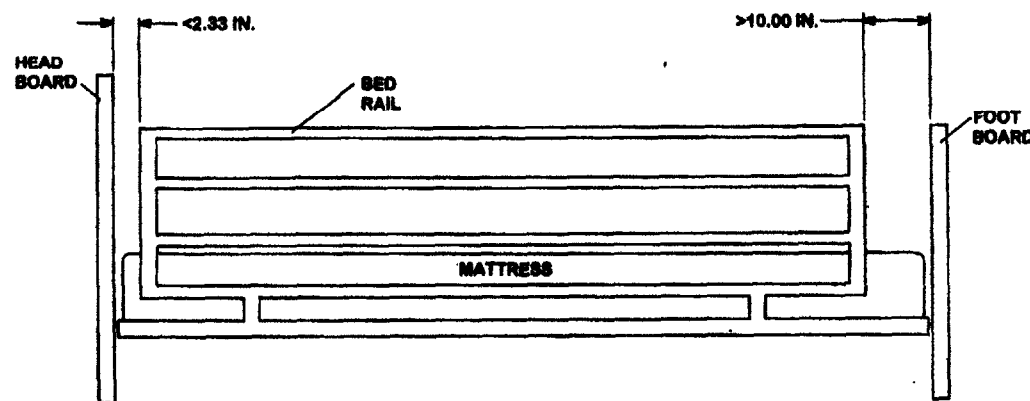
- Maximum Opening
- Federal Standards less than 2 1/3"
- NYS Standards is less than 3/4"
- Durable Bed Solutions Standards is is less than 1/4"

Entrapment Between Split Rails



- Maximum Opening
- No Federal Standards
- NYS Standards is $2 \frac{1}{3}$ "
- Durable Bed Solutions Standards $2 \frac{1}{4}$ " or less. (Don't recommend split rails)

Entrapment Between End of Rail and Head or Foot Board



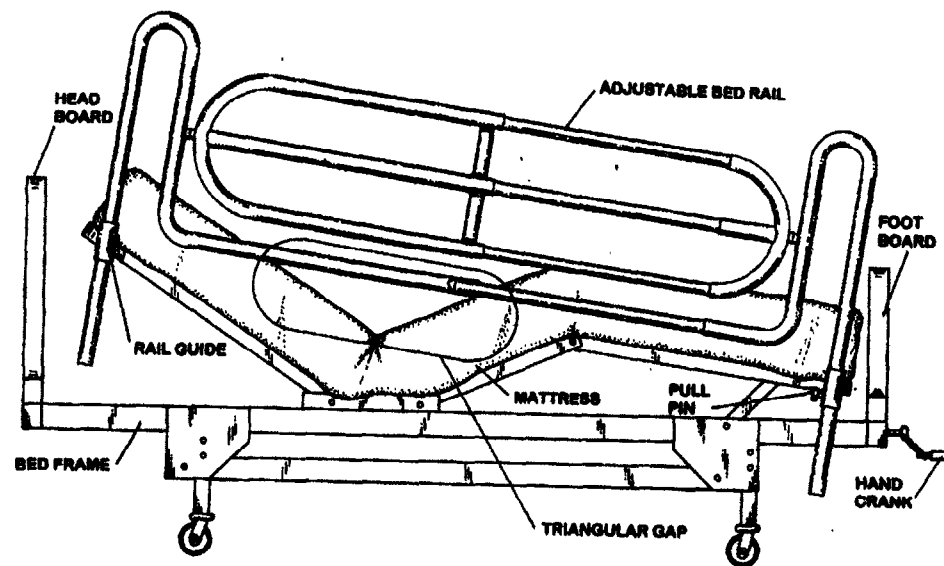
- Maximum Opening
- No Federal Standards
- NYS Standards is less than 2 1/3" or greater than 10"
- Durable Bed Solutions Standards is less than 2 1/3" or greater than 10"

Entrapment Between End of Mattress and Head or Foot Board

- Maximum Opening
- No Federal Standards
- NYS Standards are
 - Twin bed $\frac{3}{4}$ "
 - Hospital bed less than 3"
- Durable Bed Solutions Standards are all beds less than $\frac{3}{4}$ "

Hospital Bed Triangular Gap Danger Zone

- The Federal Standards do not mention this zone as a potential hazard



NYS and Durable Bed Solutions Standards

New York State Standards

- Have a Custom Plastic Shield made
- Raise the head of bed no higher than needed
- Lower side rail at head of bed
- Use split rails
- Use half rails
- Use bed where head of bed elevates independently of bed rail

Durable Bed Solutions Standards

- Use Patented See-Thru side Shields